AUTHOR INDEX AND SUBJECT INDEX

TO

VOLUME 95

THE AMERICAN JOURNAL OF SURGERY, INC.

Author Index to Volume 95

Adson, M. A., 885
Amerson, J. R., 878
Anderson, R. E., 445
Ansbro, F. P., 953
Archambault, H. A., 976
Archambault, R., 976
Artz, C. P., 651
Aufricht, G., 231

Bagby, G. W., 761
Barnes, F. E., Jr., 1013
Barsky, A. J., 287
Bass, J. A., 309
Bate, J. T., 854
Beahrs, O. H., 885
Beare, R. L. B., 197
Beck, C. S., 743
Behrend, A., 455
Benaim, F., 267
Bernhard, W., 239
Bethea, H., 299
Billig, H. E., Jr., 81
Black, A., 471
Black, B. M., 395
Bliven, F. E., Jr., 617
Block, R. E., 487
Blocker, T. G., Jr., 309
Blundell, A. E., 953
Blunt, J. W., Jr., 512
Bobrow, M. L., 938
Brav, E. A., 752
Brizzolara, L. G., 873, 1007
Brown, C. R., 986
Brown, K. L., 695, 980
Bruwer, A. J., 636
Bunnell, S., 168
Bunstock, W. H., 822
Burke, J. F., 828
Burlington, H., 581
Butcher, H. R., Jr., 25
Byrne, J. J., 102, 335, 371

Campbell, R. D., Jr., 599
Carpenter, W. S., 914
Carter, J. V., 953
Casberg, M. A., 493
Case, T. C., 51, 869
Chandler, R., 315
Chaudhry, A. P., 923
Child, C. G., III, 366
Childs, W. A., 411
Clarkson, P., 315
Cohen, B., 731
Coleman, H. V., 781
Collier, C. S., 967
Comarr, A. E., 843
Conn, J. H., 106
Connell, J. F., Jr., 684
Connolly, P. J., 914
Conway, H., 994
Cooper, D. R., 946
Cornell, W. S., 477
Couves, C. M., 878
Cranley, J. J., 524
Cullen, B. J., 856
Curry, G. J., 507, 518

Davis, A. D., 312
Demergian, V., 883
Dewar, F. P., 555
Diefenbach, W. C. L., 866
Donovan, A. J., 366
Dooling, J. A., 577
Dwyer, W. A., Jr., 1004

Eade, G. G., 309
Eaker, A. B., 31
Ehrlich, R., 826
Eisen, M. E., 438

Fansler, T., 715
Farmer, A. W., 274
Fieber, S. S., 157
Fillis, B. E., 856
Fineman, A. D., 64
Flagg, P. J., 729
Fogelman, M. J., 501
Freeman, W. A., 415
French, S. W., III, 31, 983
Friedman, S., 938
Furst, N. J., 484

Gaffney, L. B., 974
Gants, R. T., 45
Garcia, A., 593
Garfinkel, B., 484
Garnes, A. L., 415
Gaynor, W. C. T., 866
Georgiade, N., 246
Giles, E. J., 429
Glover, D. M., 679
Goddard, J. L., 718
Golden, T., 828
Gordon, S. D., 263
Gordon, S. K., 862
Gorlin, R. J., 923
Grantham, A. W., 856
Gray, G. H., 304
Griffith, B. H., 994
Grodsky, L., 474
Guisto, D. F., 873, 1007
Gurdjian, E. S., 545
Gurney, C. E., 301

Haas, A., 87
Haas, S. L., 125
Hannon, J. L., 31
Hardy, J. D., 106
Hardy, W. G., 545
Harmon, P. H., 527
Harris, L. E., 636
Harrison, J. H., 3, 16
Hernandez, W. E., 953
Hirsch, S., 853
Howard, J. M., 878
Hubbell, D. S., 990
Hudson, O. C., 74
Hunt, C. J., 404
Huston, C., 445

Ingham, D. E., 659
Ivy, R. H., 180

Jackson, D. A., 967
Jahr, J., 577
Janelli, D. E., 142
Janes, J. M., 761
Jay, J. B., 45
Jensen, G. L., 813
Johnston, C. G., 489, 659, 914
Jones, H. W., Jr., 304

Kaplan, D., 160
Kaplan, I. W., 668
Kapp, R. W., 163
Katz, R. I., 102
Kazanjian, V. H., 185
Kepes, E. R., 787
Kepes, J., 246

Kicos, J. E., 932
Kilner, T. P., 204
Kirk, G. D., 1015
Kiskadden, W. S., 211
Klabunde, E. H., 194
Knuth, W. P., 480
Kolb, L. H., 471
Krause, R. J., 524
Kulowski, J., 908

LaCaille, R. A., 963
Lam, R. C., 150
Lamb, R., 688
Langston, R. G., 294
Lapin, A., 487
Lawrence, E. D., 434
Leadbetter, W. F., 341
Leavitt, D., 154
Levy, R. W., 668
Lewis, S. R., 309
Lichtor, A., 466
Lichtor, J., 466
Lindsay, W. R. N., 555
Lippert, K. M., 781
Lyttle, S. N., 507

McArthur, J. D., 617
McCarty, R. T., 144
McFaddin, J. G., 752
McGinnis, G. O., 154
McGregor, M. W., 227
McIndoe, A., 197
McPherson, R. C., 359
Mahoney, J. W., 577
Marcks, K. M., 932
Margolius, B. R., 787
Marino, H., 267
Markgraf, W. H., 998
Marshall, J. F., 845
Millard, D. R., Jr., 318
Miller, J. A., 752
Miller, J. M., 967
Mills, J. T., 189
Mizeres, N. J., 976
Moorhead, J. J., 108
Mowlem, R., 216
Mulholland, J. H., 577

Neer, C. S., 11, 593
Nelson, H. M., 659

O'Connor, G. B., 227
Orloff, T. L., 469
Owens, N., 167

Papadimitriou, D. G., 132
Patten, J. C., 772
Payne, M. J., 932
Peer, L. A., 239
Penn, J., 255
Phillips, R. B., 411
Pickrell, K., 246
Pierce, G. W., 194
Pine, D. K., 518
Pitanguy, I., 331
Posch, J. L., 545
Prigot, A., 963

Ragnell, A., 323
Raitano, H. E., 873
Raker, J. W., 353
Reese, J. W., 102
Reno, J. H., 581
Resnik, H. L. P., 946
Ricketson, G., 279
Ritter, S. A., 87
Robb, H. J., 659
Robinson, J. R., 25
Roll, W. A., 138
Rosen, S., 1011
Rosenberg, I., 1011
Rosenthal, A. H., 487
Rousselot, L. M., 684
Rudowski, W., 40
Rusnack, T. J., 74

Saint, J. H., 798
Sampey, J. R., 970
Saypol, G. M., 1004
Schanno, J. F., 974
Schlesinger, E. B., 641
Schlink, F. J., 707
Schmidt, J. H., 94
Scuderi, C., 626
Seligman, B., 451

Selzer, J. D., 144
Shadish, W., 194
Shann, H., 425, 793
Shore, S., 147
Singmaster, L., 1002
Skogg, T., 223
Smith, F., 173
Smith, G. V., 336
Smythe, R. L., 462
Stearns, D. B., 862
Steeper, J. R., 883
Steffensen, W. H., 237
Streete, B. G., 45
Sullivan, C. R., 636
Swerdlow, H., 818

Tannenbaum, C. S., 897
Taveras, J. M., 641
Thiessen, N. W., 163
Thoshinsky, M. J., 1007
Trevaskis, A. E., 932
Tyler, L. T., 668

Vernon, S., 988
Vieta, J. O., 772
Virabutr, S., 455

Wade, P. A., 599
Waleson, M., 484
Walker, J. C., Jr., 239
Wall, C. A., 664
Waller, J. I., 138
Walske, B. R., 480
Ward, G. E., 385
Webster, J. E., 545
Weinberger, H. A., 772
Welton, T. S., 1
Wheatley, G. M., 711
Wilkinson, R. W., 731
Williams, R. D., 462
Williams, T. K., 651
Woolf, R., 246
Worthen, E. F., 237

Yap, E. T., 849

Zollinger, R. M., 359

Subject Index to Volume 95

(E.) = Editorial

Abdomen
  hernias of anterior wall of, 87
  pilonidal disease of wall of, 142
  "tumor of," caused by imperforate hymen, 487
Abortions, incomplete, 938
Abscess, subdiaphragmatic, 455
Accident prevention, symposium on, 707–727
Adenolymphoma, 923
Adenoma, renal, 862
Adenylic acid suppositories for subacute thrombophlebitis and varicose ulcers, 434
Adrenal glands, tumors of, 353
Adrenal tumors, 914
Alar cartilage defects, management of, 331
Ambulance, speeding, 507
Amputation, Syme, 688
Amyloidosis, secondary, in injuries to spinal cord, 843
Anastomosis, congenital portacaval, with cirrhosis of liver, 163
Anatomy
  of female genital tract, 425, 793
  surgical, and technic of parotidectomy, 885
Anemia, sickle cell, splenectomy for, 150
Anesthesia, meperidine-levallorphan in, 787
Angiography, intracranial, danger from thorotrast for, 469
Anus
  and rectum, fistulas about, 818
  basal cell carcinoma of, 822, 1011
Aorta
  terminal, thrombosis of, 990
  thoracic, fatal perforation of, by gastric ulcer, 878
Appendicitis
  acute, 849
  and cecal carcinoma, 998
  simulated by diverticulitis of cecum, 1002
Arterial occlusive disease, arterial grafting for, 25
Arteriosclerosis obliterans, clinical, 451
Artery, axillary, injury to, following anterior dislocation of shoulder, 524
Ascites and hydrothorax with malignant ovarian tumor, 480
Aspiration biopsy in diagnosis of thyroid tumors, 40
Automotive crash injuries to spinal and femoral linkages, 908

Bile duct, common, and gallbladder, operations upon, 845
Biopsy, aspiration, in diagnosis of thyroid tumors, 40
Bone
  formation, heterotopic, and hernia following gastrectomy, 154
  fractured, cassette holder for use during reduction of, 854
  grafts for dishface deformity, 323
  growth, stimulation of, 125
  long, necrosis of, from deep burns, with evidence of regeneration, 679
  replacement of shaft defect of, 752
  marrow embolism, fatal, following thoracotomy, 94
Book reviews, 334, 882
Bowel management after hemorrhoidectomy, 826
Brachial plexus
  block, 953
  paralysis following administration of tetanus antitoxin, 668
Burn
  deep, and necrosis of skull and long bones, 679
  severe, and control of infection, 684
  wound, microbial growth in, 309

Cancer of ovary, 336
Carcinolytic effect of thio-TEPA on malignant melanoma, 994
Carcinoma
  basal cell, of anus, 822, 1011
  cecal, and acute appendicitis, 998
  of duodenum, 946
  of thyroid, 45
  renal, and solitary cyst of kidney, 138
Cardiorespiratory resuscitation (E.), 729
Carotid body and allied tumors, 371
Cartilage, alar, defects of, 331
Cassette holder for use during reductions of fractured bones, 854
Causalgias, minor and major, 545
Cecum
  acute volvulus of, 798
  carcinoma of, and acute appendicitis, 998
  diverticulitis of, simulating appendicitis, 1002
  involved by strangulated partial enterocele, 1004
Chemotherapy for granulocytic leukemia, 970
Chin and nose, plastic surgery of, 231
Chlorophyllin and inhibition of clotting, 967
Cholecystectomy technic, 988
Cholecystitis in a child, 1013
Choledochocolic fistula, 866
Cirrhosis of liver and congenital portacaval anastomosis, 163

Clotting, inhibition of, by chlorophyllin, 967
Colon
  ascending, leiomyosarcoma of, 1007
  diverticulosis of, 813
  submucous lipoma of, 471
Compression and fracture healing with special plate, 761
Contracture, Dupuytren's, surgery for, 197
Cornea, tattooing of, 246
Coronary heart disease, 743
Cyst, solitary, of kidney and renal carcinoma, 138
Cystadenoma lymphomatosum, papillary, 923

Dacron in blood vessels, study of, 3, 16
Dallas tornado disaster, 501
Débridement, enzymatic, with papain-urea-chlorophyllin ointment, 828
Dermatome, Brown-Berger, for skin grafting, 986
Diagnosis
  of cervical dislocation, 636
  of thyroid tumors, aspiration biopsy in, 40
  of tumors of testis, 341
  sigmoidoscopic, of regional enteritis, 144
Disease, concomitant, and occurrence of trauma, 897
Dishface deformity, bone grafts for, 323
Dislocation
  anterior, of shoulder, and injury to axillary artery, 524
  cervical, diagnosis of, 636
Diverticulitis of cecum simulating appendicitis, 1002
Diverticulosis of colon, massive hemorrhage from, 813
Doyen intestinal clamp, 983
Ductless glands, symposium on surgery of, 335–403
Duodenostomy in gastric resection for duodenal ulcer, 781
Duodenum
  carcinoma of, 946
  hematoma of, 484
  ulcer of, gastric resection for, 781
Dupuytren's contracture, surgery for, 197
Dynamics, vascular, during hemorrhagic shock and therapy, 659

Ears, congenital deformities of, 185
Edema, lymphatic, surgery for, 216
Editorials
  Autogenous skin bank, 883
  Cardiorespiratory resuscitation, 729
  Introduction to symposium on surgery of ductless glands, 335
  Robert M. Zollinger, M.D., Editor, 1
  To Sir Harold Gillies, 167
  Trauma—Twenty Years and After, 489
Education, medical, in total war, 493
Embolism, fatal bone marrow, following thoracotomy, 94
Enteritis, regional, diagnosed by sigmoidoscopy, 144
Enterocele, strangulated partial, involving cecum in femoral hernia, 1004
Enzymatic débridement with papain-urea-chlorophyllin ointment, 828
Esophageal resection and fatal perforation of thoracic aorta, 878
Excision
  multiple, and occasional Z-plasty for disabilities of exposed surfaces, 173
  limitations of, 237

Face, double tubed pedicle graft for large defects of, 194
Fat, intravenous, as supportive therapy after severe injuries, 651
Feeding, jejunogastrostomy for, 157
Femoral and spinal linkages, crash injuries to, 908
Femoral hernia, 1004
Femur, fractures of neck of, 132
Fistulas
  about anus and rectum, fistulotomy and fistulectomy for, 818
  choledochocolic, 866
  external postoperative fecal, 51
  renoduodenal, 462
Flaps
  double rotated pedicle, for closure of large nasal defects, 299
  posterior pharyngeal, for repair of cleft palate, 304
Foreign bodies, location and removal of, 108
Fracture
  acute intracapsular, Moore prosthetic replacement in, 577
  comminuted, of lower end of radius, 74
  healing and compression, 761
  of hip, mortality survey, 581
  of intercondylar eminence of tibia, 593
  of leg, open vs. closed methods of treating, 599
  of neck of femur in children, 132
  of os calcis, 555
  open, of tibial shaft, 415
  simultaneous leg, 617

Gallbladder and common bile duct, operations upon, 845
Gastrectomy
  followed by heterotopic bone formation and hernia, 154
  hemorrhage after, 411
Gastric
  re-resection, 869
  resection for duodenal ulcer, duodenostomy in, 781
  surgery for ulcer and neoplasm, 772
  ulcer perforating thoracic aorta, 878
Genital tract, female, anatomy of, 425, 793
Gillies, Sir Harold, 167
  in the steps of, 255
Graft
  bone, for dishface deformity, 323
  double tubed pedicle, for large facial defects, 194

Graft, nerve, with toe-to-thumb transplant, 315
tube, for repair of palatal defect, 301
Grafting
arterial, for arterial occlusive disease, 25
skin, with Brown-Berger dermatome, 986

Hallux varus, congenital, 274
Hand
deformities of, 189
surgery, emergency, tray for, 980
Harelip, single, radical rotation in, 318
Heart disease, coronary, 743
Hematoma of duodenum, surgically proved, 484
Homohemotherapy and survival of experimental skin homografts, 267
Hemorrhage
from liver, 106
massive, from diverticulosis of colon, 813
postgastrectomy, 411
Hemorrhagic shock, vascular dynamics during, 659
Hemorrhoidectomy, management of bowel after, 826
Hernia
and heterotopic bone formation following gastrectomy, 154
femoral, 1004
indirect inguinal, repaired with quilting stitch, 976
of anterior abdominal wall, stainless steel ring chain net for, 87
sciatic, 974
Hip, fractures of, 581
Homografts, experimental skin, 267
Hydrothorax and ascites with malignant ovarian tumor, 480
Hymen, imperforate, as cause of "abdominal tumor," 487
Hyperparathyroidism, primary, 395
Hypospadias, repair of, 279

Infection
in severely burned patient, 684
soft tissue, treated by streptomycin pantothenate, 963
Inguinal hernia, indirect, repaired with quilting stitch, 976
Injuries
acute, tetanus antitoxin in, 664
and litigation, unethical medical and legal practices in, 695
anorectal birth, 425
automotive crash, to spinal and femoral linkages, 908
birth, to perineum, 793
severe, intravenous fat as supportive therapy after, 651
to spinal cord, secondary amyloidosis in, 843
Intestinal
clamp, Doyen, 983
polyposis with oral pigmentation, 873
Ivalon sponge in blood vessels, study of, 3, 16

Jejunogastrostomy for feeding, 157

Kidney
congenital unilateral cystic, 856
horseshoe, 990
solitary cyst of, and renal carcinoma, 138

Leg
casualties, mass, 617
fractures of, open vs. closed methods of treating, 599
Leiomyosarcoma
of ascending colon with multiple polyposis, 1007
of stomach, 477
Lesions
of odontoid, 641
Osgood-Schlatter, 731
vascular, effect of vitamin A, niacin and riboflavin on, 438
Leukemia, granulocytic, chemotherapy of, 970
Lip
cleft, management of, 204
prevention of secondary deformities of, 932
unilateral cleft, design for repair of, 223
Lipoma, submucous, of colon, 471
Litigation, personal injury, 695
Liver
cirrhosis of, and congenital portacaval anastomosis, 163
hemorrhage from, 106

Meigs' syndrome, 480
Melanoma, malignant, thio-TEPA for, 994
Meperidine-levallorphan in anesthesia, 787
Metallic prostheses for replacement of shaft defects of long bones, 752
Microbial growth in burn wound, 309
Moore prosthesis for acute intracapsular fractures, 577

Necrosis of skull and long bones from deep burns, with evidence of regeneration, 679
Needle, metal-tipped plastic intravenous, 853
Neoplasm, gastric surgery for, 772
Nerve graft with toe-to-thumb transplant, 315
Neurofibroma of rectum and von Recklinghausen's disease, 474
Niacin, effect of, on vascular lesions, 438
Nitrous oxide-oxygen-thiopental anesthesia, 787
Nose
and chin, plastic surgery of, 231
large defects of, closed with double rotated pedicle flaps, 299
Nylon in blood vessels, study of, 3, 16

Odontoid, lesions of, 641
Orlon in blood vessels, study of, 3, 16

Os calcis, fractures of, 555
Osgood-Schlatter lesion, 731
Ovary
  malignant tumor of, with ascites and hydrothorax simulating Meigs' syndrome, 480
  tumors of, 336

Pain in shoulder with reference to calcific tendinitis and frozen shoulder, 527
Palate
  cleft, management of, 204
    repair of, 304
  defect of, 301
Pancreas
  pseudocyst of, 160
  ulcerogenic tumors of, 359
Papain-chlorophyll-urea ointment in surgery, 102
Papain-urea-chlorophyllin ointment for enzymatic débridement, 828
Paralysis, brachial plexus, following administration of tetanus antitoxin, 668
Parathyroid glands, tumors of, 395
Parotidectomy, technic of, 885
Peptic ulcer as surgical problem, 404
Perineum, birth injuries to, 793
Pharyngeal flap, posterior, for repair of cleft palate, 304
Philtrum and cutaneous upsweep surgical formation of, 227
Phlegmasia cerulea dolens, 429
Physicians and world's hidden crisis, 211
Pigmentation, oral, and intestinal polyposis, 873
Pilonidal disease of abdominal wall, 142
Plastic surgery
  contributions of, to other fields of surgery, 180
  future of, 312
  of nose and chin, 231
  vaginal, 425, 793
Polyposis
  intestinal, with oral pigmentation, 873
  multiple, and leiomyosarcoma of ascending colon, 1007
Practitioner and prevention, 711
Prevention, accident, symposium on, 707–727
Prostheses, vascular, synthetic materials as, 3, 16
Pseudocyst
  of pancreas, 160
  postpancreatic, in adolescence, 147
Psychiatry on a children's surgical service, 64
Pulmonary sequestration, 31

Quadriceps tendon, ruptures of, 626

Radius, comminuted fractures of lower end of, 74
Rectum
  and anus, fistulas about, 818
  neurofibroma of, and von Recklinghausen's disease, 474
Regeneration, evidence of, after necrosis of skull and long bones, 679
Renal
  adenoma, 862
  carcinoma and solitary cyst of kidney, 138
Renoduodenal fistula, 462
Re-resection, gastric, 869
Resection
  esophageal, and fatal perforation of thoracic aorta, 878
  gastric, for duodenal ulcer, 781
Resuscitation, cardiorespiratory (E.), 729
Riboflavin, effect of, on vascular lesions, 438
Roux principle in internal drainage for postpancreatic pseudocyst, 147
Ruptures of quadriceps tendon, 626

Sacrococcygeal teratoma, 1015
Safety Council, National, its policies and program, 715
Sciatic hernia, 974
Senna, standardized, and wetting agent preparation for bowel after hemorrhoidectomy, 826
Shock, hemorrhagic, vascular dynamics during, 659
Shoulder
  anterior dislocation of, followed by injury to axillary artery, 524
  painful and frozen, 527
Sickle cell anemia, splenectomy for, 150
Sigmoidoscopy in diagnosis of regional enteritis, 144
Skin
  bank, autogenous (E.), 883
  exchanges, full-thickness, between parents and their children, 239
  grafting with Brown-Berger dermatome, 986
  homografts, experimental, 267
  replacement, contiguous, and rotation pedicle, 294
Skull, necrosis of, from deep burns, with evidence of regeneration, 679
Spinal
  and femoral linkages, crash injuries to, 908
  cord, injuries to, 843
Spine, cervical, hypermobility of, in children, 636
Splenectomy for sickle cell anemia, 150
Spondylolysis and trauma, 466
Stainless steel
  internal fixation units, deficiencies of, 518
  ring chain net for hernias of anterior abdominal wall, 87
Stomach, leiomyosarcoma of, 477
Streptomycin pantothenate for soft tissue infections, 963
Suppositories, adenylic acid, for subacute thrombophlebitis and varicose ulcers, 434
Surgery
  and the thymus, 366
  for congenital deformities of ears, 185
  for Dupuytren's contracture, 197
  for formation of philtrum and cutaneous upsweep, 227

Surgery, for peptic ulcer, 404
gastric, for ulcer and neoplasm, 772
in treatment of lymphatic edema, 216
of ductless glands, symposium on, 335–403
of gallbladder and common bile duct, 845
of hand, emergency, tray for, 980
of temporomanidbular joint, 263
papain-chlorophyll-urea ointment in, 102
plastic, and other fields of surgery, 180
future of, 312
of nose and chin, 231
proving hematoma of duodenum, 484
vaginal plastic, 425, 793
Surgical anatomy and technic of parotidectomy, 885
Sutures for trauma, 512
Syme amputation, 688
Symposia
on accident prevention, 707–727
on surgery of ductless glands, 335–403

Tattooing the cornea, 246
Teflon in blood vessels, study of, 3, 16
Temporomandibular joint, surgery of, 263
Tendinitis, calcific, and painful shoulders, 527
Tendon, quadriceps, ruptures of, 626
Teratoma, sacrococcygeal, 1015
Testicle, tumors of, 445
Testis, tumors of, 341
Tetanus antitoxin in acute injuries, 664
Thoracotomy followed by fatal bone marrow embolism, 94
Thorotrast, danger from, in intracranial angiography, 469
Thrombophlebitis, subacute, and varicose ulcers, 434
Thrombosis of terminal aorta and horseshoe kidney, 990
Thumb, reconstruction of, 168
Thymus and surgery, 366
Thyroid
carcinoma of, 45
tumors of, 40, 385
Tibia
fractures of intercondylar eminence of, 593
open fractures of shaft of, 415
Tic douloureaux relieved by physical therapeutic measures, 81
Toe-to-thumb transplant with nerve graft, 315
Tornado disaster, Dallas, 501
Trauma
and concomitant disease, 897
and spondylolysis, 466
prevention of, 718
sutures for, 512
twenty years and after (E.), 489
Triethylenethiophosphoramide for malignant melanoma, 994
Tube
graft for repair of palatal defect, 301
pedicle graft, unusual aspects of, 287
Tumor
"abdominal," caused by imperforate hymen, 487
adrenal, 914
malignant ovarian, with ascites and hydrothorax simulating Meigs' syndrome, 480
of adrenal glands, 353
of carotid body, 371
of parathyroid glands, 395
of testicle in childhood, 445
of testis, 341
of thyroid, 385
diagnosis of, 40
ovarian, 336
ulcerogenic, of pancreas, 359

Ulcerogenic tumors of pancreas, 359

Vagina, plastic surgery of, 425, 793
Varicose ulcers and subacute thrombophlebitis, 434
Vascular dynamics during hemorrhagic shock and therapy, 659
Vascular lesions, effect of vitamin A, niacin and riboflavin on, 438
Vitamin A, effect of, on vascular lesions, 438
Volvulus, acute, of cecum, 798
von Recklinghausen's disease and neurofibroma of rectum, 474

War, total, medical education in, 493

Z-plasty and multiple excision for disabilities of exposed surfaces, 173

The American Journal of Surgery

Editor ROBERT M. ZOLLINGER, M.D., COLUMBUS, OHIO

EDITOR EMERITUS

THURSTON SCOTT WELTON, M.D., *New York*

ADVISORY BOARD

HENRY T. BAHNSON, M.D., *Baltimore;* JOHN M. BEAL, M.D., *New York;* CLAUDE S. BECK, M.D., *Cleveland;* H. GLENN BELL, M.D., *San Francisco;* CLARENCE J. BERNE, M.D., *Los Angeles;* B. MARDEN BLACK, M.D., *Rochester, Minn.;* DWIGHT E. CLARK, M.D., *Chicago;* RANDOLPH LEE CLARK, JR., M.D., *Houston;* H. WILLIAM CLATWORTHY, JR., M.D., *Columbus;* FREDERICK A. COLLER, M.D., *Ann Arbor;* OSCAR CREECH, JR., M.D., *New Orleans;* J. ENGLEBERT DUNPHY, M.D., *Boston;* DANIEL W. ELLIOTT, M.D., *Columbus;* EDWIN H. ELLISON, M.D., *Columbus;* EGBERT H. FELL, M.D., *Chicago;* WILLIAM T. FITTS, JR., M.D., *Philadelphia;* JAMES D. HARDY, M.D., *Jackson;* J. HARTWELL HARRISON, M.D., *Boston;* STANLEY O. HOERR, M.D., *Cleveland;* EMILE F. HOLMAN, M.D., *San Francisco;* CHARLES A. HUFNAGEL, M.D., *Washington;* WALTER G. MADDOCK, M.D., *Chicago;* K. ALVIN MERENDINO, M.D., *Seattle;* CARL A. MOYER, M.D., *St. Louis;* WILLIAM H. MULLER, JR., M.D., *Charlottesville;* D. W. GORDON MURRAY, M.D., *Toronto;* MERLE M. MUSSELMAN, M.D., *Omaha;* H. C. NAFFZIGER, M.D., *San Francisco;* SIDNEY W. NELSON, M.D., *Columbus;* VICTOR RICHARDS, M.D., *San Francisco;* JOHN A. SCHILLING, M.D., *Oklahoma City;* JOHN C. ULLERY, M.D., *Columbus;* ROGER D. WILLIAMS, M.D., *Columbus;* HAROLD A. ZINTEL, M.D., *New York*

VOLUME 95

JANUARY TO JUNE

1958

THE AMERICAN JOURNAL OF SURGERY, INC.

11 EAST 36TH STREET, NEW YORK 16, N. Y.

MCMLVIII

Contents of Volume 95

Robert M. Zollinger, M.D., Editor	*Thurston Scott Welton*	1
Synthetic Materials As Vascular Prostheses I. A Comparative Study in Small Vessels of Nylon, Dacron, Orlon, Ivalon Sponge and Teflon	*J. Harold Harrison*	3
II. A Comparative Study of Nylon, Dacron, Orlon, Ivalon Sponge and Teflon in Large Blood Vessels with Tensile Strength Studies	*J. Harold Harrison*	16
Experiences with Arterial Grafting for Major Arterial Occlusive Disease	*Harvey R. Butcher, Jr.* *John R. Robinson*	25
Pulmonary Sequestration. A Review of the English Literature with a Report of Four Cases	*Lt. Col. Alan B. Eaker* *Major Joseph L. Hannon* *Col. S. W. French, III*	31
Critical Evaluation of Aspiration Biopsy in the Diagnosis of Tumours of the Thyroid	*Witold Rudowski*	40
Carcinoma of the Thyroid. Review of Sixty-Four Cases	*Major Jack B. Jay* *Major Billie G. Streete* *Col. Robert T. Gants*	45
External Postoperative Fecal Fistula	*Thomas C. Case*	51
Utilization of Child Psychiatry on a Children's Surgical Service	*Abraham D. Fineman*	64
Comminuted Fractures of the Lower End of the Radius	*O. C. Hudson* *T. J. Rusnack*	74
Extended Relief of Tic Douloureaux by Physical Therapeutic Measures	*Harvey E. Billig, Jr.*	81
Use of Stainless Steel Ring Chain Net for Reinforcement in the Repair of Large and Recurrent Hernias of the Anterior Abdominal Wall	*Alfred Haas* *Saul Alfred Ritter*	87
Fatal Bone Marrow Embolism Following Thoracotomy	*J. H. Schmidt.*	94
Papain-Chlorophyll-Urea Ointment in Surgery.	*Robert I. Katz.* *Jack W. Reese* *John J. Byrne*	102
The Control of Hemorrhage from the Liver. An Experimental Study	*J. Harold Conn* *James D. Hardy*	106
Locating and Removing Foreign Bodies.	*John J. Moorhead*	108
Stimulation of Bone Growth	*S. L. Haas*	125
Fractures of the Neck of the Femur in Children	*Dimitrios G. Papadimitriou*	132
Solitary Cyst of the Kidney Associated with Renal Carcinoma	*John I. Waller* *William A. Roll*	138

Pilonidal Disease of the Abdominal Wall	*Donald E. Janelli*	142
Sigmoidoscopic Diagnosis of Regional Enteritis	*Jack D. Selzer* *Robert T. McCarty*	144
Postpancreatic Pseudocyst in Adolescence. Internal Drainage Utilizing Roux Principle	*Samuel Shore*	147
Splenectomy for the Treatment of Sickle Cell Anemia. Case Report and Collective Review.	*Robert C. Lam*	150
Heterotopic Bone Formation Associated with Hernia Following Gastrectomy.	*G. O. McGinnis* *Daniel Leavitt*	154
Jejunogastrostomy for Feeding	*Stanley S. Fieber*	157
Pseudocyst of the Pancreas	*David Kaplan*	160
Congenital Portacaval Anastomosis with Cirrhosis of the Liver	*Norman W. Thiessen* *Robert W. Kapp*	163
To Sir Harold Gillies	*Neal Owens*	167
Reconstruction of the Thumb	*Sterling Bunnell*	168
Multiple Excision with Occasional Z-Plasty for Correction of Disabilities of Exposed Surfaces	*Ferris Smith*	173
Contributions of Plastic Surgery to Other Fields of Surgical Endeavor	*Robert H. Ivy*	180
Surgical Treatment of Congenital Deformities of the Ears	*Varaztad H. Kazanjian*	185
Deformities of the Hand	*James T. Mills*	189
Use of the Double Tubed Pedicle Graft in Reconstruction of Large Facial Defects	*George Warren Pierce* *E. Horace Klabunde* *William Shadish*	194
Surgical Management of Dupuytren's Contracture	*Archibald McIndoe* *R. L. B. Beare*	197
Management of the Patient with Cleft Lip and/or Palate.	*T. Pomfret Kilner*	204
Physicians and the World's Hidden Crisis	*William S. Kiskadden*	211
Lymphatic Oedema—An Evaluation of Surgery in Its Treatment	*Rainsford Mowlem*	216
A Design for the Repair of Unilateral Cleft Lips	*Tord Skoog*	223
Surgical Formation of the Philtrum and the Cutaneous Upsweep. Preliminary Report	*Gerald Brown O'Connor* *Mar W. McGregor*	227
Combined Plastic Surgery of the Nose and Chin. Résumé of Twenty-Seven Years' Experience.	*Gustave Aufricht*	231
Limitations of Multiple Excision.	*W. H. Steffensen* *E. F. Worthen.*	237

Full-Thickness Skin Exchanges between Parents and Their Children	*Lyndon A. Peer* *William Bernhard* *John C. Walker, Jr.*	239
Tattooing the Cornea	*Kenneth Pickrell* *Nicholas Georgiade* *Joseph Kepes* *Robert Woolf*	246
In the Steps of the "Maestro"	*Jack Penn*	255
Surgery of the Temporomandibular Joint	*Stuart D. Gordon*	263
Experimental Skin Homografts. Effect of Homohemotherapy on Their Survival Time	*Héctor Marino* *Fortunato Benaim*	267
Congenital Hallux Varus	*A. W. Farmer*	274
A Method of Repair for Hypospadias	*Greer Ricketson*	279
The Tube Pedicle—Some Unusual Aspects	*Arthur Joseph Barsky*	287
Contiguous Skin Replacement with Particular Reference to the Rotation Pedicle	*Robert G. Langston*	294
Closure of Large Nasal Defects with Double Rotated Pedicle Flaps	*Hardee Bethea*	299
The Use of a Tube Graft to Repair a Palatal Defect	*Charles E. Gurney*	301
Experiences with the Posterior Pharyngeal Flap in Repair of the Cleft Palate	*Gerald H. Gray* *Hyzer W. Jones, Jr.*	304
General Aspects of Microbial Growth in the Burn Wound	*T. G. Blocker, Jr.* *Joseph A. Bass* *S. R. Lewis* *Gilbert G. Eade*	309
The Future of Plastic Surgery	*Albert D. Davis*	312
A Toe-to-Thumb Transplant with Nerve Graft	*R. Chandler* *Patrick Clarkson*	315
A Radical Rotation in Single Harelip	*D. Ralph Millard, Jr.*	318
Reconstruction of Dishface Deformity by Bone Grafts	*A. Ragnell*	323
Management of Alar Cartilage Defects	*Ivo Pitanguy*	331
Book Reviews		334
Introduction to Symposium on Surgery of the Ductless Glands	*John J. Byrne*	335
Ovarian Tumors. With Special Reference to Some Unexpectedly Good Outcomes in the Treatment of Cancer of the Ovary	*George V. Smith*	336
Diagnosis and Treatment of Tumors of the Testis	*W. F. Leadbetter*	341

Tumors of the Adrenal Glands	*John W. Raker*	353
Ulcerogenic Tumors of the Pancreas	*Robert M. Zollinger* *Richard C. McPherson*	359
Surgery and the Thymus	*Charles G. Child, III* *Arthur J. Donovan*	366
Carotid Body and Allied Tumors	*John J. Byrne*	371
Tumors of the Thyroid	*Grant E. Ward*	385
Tumors of the Parathyroid Glands. Primary Hyperparathyroidism	*B. Marden Black*	395
Peptic Ulcer As a Surgical Problem	*Claude J. Hunt*	404
Postgastrectomy Hemorrhage	*Richard B. Phillips* *Wesley A. Childs*	411
Open Tibial Shaft Fractures—Immediate Soft Tissue Closure	*W. Adrian Freeman* *Arthur L. Garnes*	415
Vaginal Plastic Surgery Based on a New Concept of the Anatomy of the Female Genital Tract. IV. The Anorectal Birth Injuries	*Herman Shann*	425
Phlegmasia Cerulea Dolens	*E. Jackson Giles*	429
The Use of Adenylic Acid Suppositories in Subacute Thrombophlebitis and Varicose Ulcers	*Elias D. Lawrence*	434
Effect of Vitamin A, Niacin and Riboflavin on Vascular Lesions. A Preliminary Report	*Milton Earle Eisen*	438
Tumors of the Testicle in Childhood	*Raymond E. Anderson* *Crittenden Huston*	445
Clinical Arteriosclerosis Obliterans	*Bert Seligman*	451
Subdiaphragmatic Abscess	*Soravudhi Virabutr* *Albert Behrend*	455
Renoduodenal Fistula	*Richard L. Smythe* *Roger D. Williams*	462
Spondylolysis and Trauma	*Alexander Lichtor* *Joseph Lichtor*	466
The Danger from Thorotrast As a Medium for Intracranial Angiography	*T. L. Orloff*	469
Submucous Lipoma of the Colon	*Leonard H. Kolb* *Arnold Black*	471
Neurofibroma of the Rectum in a Patient with von Recklinghausen's Disease	*Lewis Grodsky*	474
Leiomyosarcoma of the Stomach	*William S. Cornell*	477
Malignant Ovarian Tumor with Ascites and Hydrothorax Simulating Meigs' Syndrome	*Warren P. Knuth* *Benedict R. Walske*	480

Hematoma of the Duodenum. Report of a Surgically Proved Case	*Capt. Burton Garfinkel* *Max Waleson* *Nathan James Furst*	484
The Imperforate Hymen As a Cause of "Abdominal Tumor"	*Alexander H. Rosenthal* *Robert E. Block* *Alfred Lapin*	487
Trauma—Twenty Years and After	*Charles G. Johnston*	489
Medical Education in Total War	*Melvin A. Casberg*	493
The Dallas Tornado Disaster	*Morris J. Fogelman*	501
The Speeding Ambulance	*George J. Curry* *Sydney N. Lyttle*	507
Sutures for Trauma	*J. W. Blunt, Jr.*	512
Deficiencies of Stainless Steel Internal Fixation Units	*George J. Curry* *Donald K. Pine*	518
Injury to the Axillary Artery Following Anterior Dislocation of the Shoulder	*John J. Cranley* *Raymond J. Krause*	524
Methods and Results in the Treatment of 2,580 Painful Shoulders. With Special Reference to Calcific Tendinitis and the Frozen Shoulder	*Paul H. Harmon*	527
The Problem of Minor and Major Causalgias	*W. G. Hardy* *J. L. Posch* *J. E. Webster* *E. S. Gurdjian*	545
Fractures of the Os Calcis	*W. R. N. Lindsay* *F. P. Dewar*	555
Immediate Moore Prosthetic Replacement in Acute Intracapsular Fractures	*Jesse W. Mahoney* *John H. Mulholland* *Josef Jabr* *Capt. John A. Dooling*	577
Fractures of the Hip—Mortality Survey	*Joseph H. Reno* *Henry Burlington*	581
Isolated Fractures of the Intercondylar Eminence of the Tibia	*Alexander Garcia* *Charles S. Neer, II*	593
Open Versus Closed Methods in Treating Fractures of the Leg	*Preston A. Wade* *Rolla D. Campbell, Jr.*	599
Mass Leg Casualties. Management of Twenty-eight Simultaneous Leg Fractures	*Floyd E. Bliven, Jr.* *J. D. McArthur*	617
Ruptures of the Quadriceps Tendon. Study of Twenty Tendon Ruptures	*Carlo Scuderi*	626
Hypermobility of the Cervical Spine in Children: A Pitfall in the Diagnosis of Cervical Dislocation	*C. Roger Sullivan* *André J. Bruwer* *Lloyd E. Harris*	636

Lesions of the Odontoid and Their Management	*Edward B. Schlesinger* *Juan M. Taveras*	641
Intravenous Fat As Supportive Therapy after Severe Injuries	*Curtis P. Artz* *Thomas K. Williams*	651
Observations in Vascular Dynamics during Hemorrhagic Shock and Its Therapy	*Herbert J. Robb* *Don E. Ingbam* *Harry M. Nelson* *Charles G. Johnston*	659
The Use and Abuse of Tetanus Antitoxin in Acute Injuries	*Capt. C. Allen Wall*	664
Brachial Plexus Paralysis Following Administration of Tetanus Antitoxin	*L. Terrell Tyler* *I. W. Kaplan* *Richard W. Levy*	668
Necrosis of Skull and Long Bones Resulting from Deep Burns, with Evidence of Regeneration	*Donald M. Glover*	679
Control of Infection in the Severely Burned Patient	*James F. Connell, Jr.* *Louis M. Rousselot*	684
Present Evaluation of the Syme Amputation	*Robert Lamb*	688
Unethical Medical and Legal Practices in Personal Injury Litigation	*Kent L. Brown*	695
Preventable Accidents	*F. J. Schlink*	707
The Practitioner and Prevention	*George M. Wheatley*	711
The National Safety Council, Policies and Program	*Thomas Fansler*	715
Prevention of Trauma: A Joint Responsibility	*James L. Goddard*	718
Panel Discussion on Accident Prevention		721
Officers of The American Association for the Surgery of Trauma, 1957–1958		728
Cardiorespiratory Resuscitation	*Paluel J. Flagg*	729
The Osgood-Schlatter Lesion. A Radiological and Histological Study	*B. Cohen* *R. W. Wilkinson*	731
Coronary Heart Disease. Three Dominant Causes of Death	*Claude S. Beck*	743
Replacement of Shaft Defects of Long Bones by Metallic Prostheses	*Col. Ernest A. Brav* *Major James G. McFaddin* *Major James A. Miller*	752
Effect of Compression on the Rate of Fracture Healing Using a Special Plate	*George W. Bagby* *Joseph M. Janes*	761
A Survey of Gastric Surgery for Ulcer and Neoplasm	*Howard A. Weinberger* *John O. Vieta* *John C. Patten*	772

Duodenostomy in Gastric Resection for Duodenal Ulcer	*Karl Morgan Lippert* *Capt. Hugh V. Coleman*	781
Meperidine-Levallorphan in Anesthesia. Study of Usefulness of Such Mixtures in Supplementation of Nitrous Oxide-Oxygen-Thiopental Anesthesia	*Bernard R. Margolius* *Edith R. Kepes*	787
Vaginal Plastic Surgery Based on a New Concept of the Anatomy of the Female Genital Tract. v. Birth Injuries to the Perineum and Their Treatment, Preventive and Active	*Herman Shann*	793
Acute Volvulus of the Cecum	*James H. Saint*	798
Massive Hemorrhage from Diverticulosis of the Colon	*Garver L. Jensen*	813
Fistulotomy and Fistulectomy for Fistulas about the Anus and Rectum	*Hyman Swerdlow*	818
Basal Cell Carcinoma of the Anus	*W. H. Bunstock*	822
Management of the Bowel after Hemorrhoidectomy with a Standardized Senna and Wetting Agent Preparation	*Robert Ehrlich*	826
Clinical Evaluation of Enzymatic Débridement with Papain-Urea-Chlorophyllin Ointment	*John F. Burke* *Theodore Golden*	828
Secondary Amyloidosis in Injuries to the Spinal Cord	*A. Estin Comarr*	843
A Study of Operations upon the Gallbladder and Common Bile Duct	*James F. Marshall*	845
A Five-Year Survey of Acute Appendicitis	*Enrique T. Yap*	849
Metal-Tipped Plastic Intravenous Needle	*Sidney Hirsch*	853
Cassette Holder for Use during Reductions of Fractured Bones	*John T. Bate*	854
Congenital Unilateral Cystic Kidney	*Ben E. Fillis* *Alan W. Grantham* *Bernard J. Cullen*	856
Renal Adenoma	*D. B. Stearns* *S. K. Gordon*	862
Choledochocolic Fistula	*William C. T. Gaynor* *William C. L. Diefenbach*	866
Gastric Re-resection	*Thomas C. Case*	869
Intestinal Polyposis with Oral Pigmentation	*Donald F. Guisto* *Harry E. Raitano* *Louis G. Brizzolara*	873
Fatal Perforation of the Thoracic Aorta by a Gastric Ulcer. A Late Complication of Esophageal Resection	*Cecil M. Couves* *John M. Howard* *J. Richard Amerson*	878

Book Reviews		882
Autogenous Skin Bank	*John R. Steeper* *Vaughn Demergian*	883
The Surgical Anatomy and Technic of Parotidectomy	*Oliver H. Beahrs* *Martin A. Adson*	885
The Relation of Concomitant Disease to the Occurrence and Management of Trauma	*Charles S. Tannenbaum*	897
Automotive Crash Injuries to the Spinal and Femoral Linkages. A New Biomechanical Point of View	*Jacob Kulowski*	908
Adrenal Tumors	*Paul J. Connolly* *William S. Carpenter* *Charles G. Johnston*	914
Papillary Cystadenoma Lymphomatosum (Adenolymphoma). A Review of the Literature	*A. P. Chaudhry* *Robert J. Gorlin*	923
The Management of Secondary Cleft Lip Deformities	*Kerwin M. Marcks* *Allan E. Trevaskis* *Meredith J. Payne* *John E. Kicos*	932
Incomplete Abortions. A Twenty-Five-Year Review of Cases Seen at a Large Municipal Hospital	*M. Leo Bobrow* *Stanley Friedman*	938
Carcinoma of the Duodenum. Review of the Literature from 1948 to 1956	*H. L. P. Resnik* *Donald R. Cooper*	946
Brachial Plexus Block	*F. Paul Ansbro* *Albert E. Blundell* *Wilbert E. Hernandez* *James V. Carter*	953
The Clinical Trial of Streptomycin Pantothenate in the Treatment of Soft Tissue Infections	*Rupert A. LaCaille* *Aaron Prigot*	963
The Inhibition of Clotting by Chlorophyllin	*Joseph M. Miller* *Deborah A. Jackson* *Charles S. Collier*	967
Chemotherapeutic Management of Granulocytic Leukemia	*John R. Sampey*	970
Sciatic Hernia. A Case of Congenital Occurrence	*Leo B. Gaffney* *Joseph F. Schanno*	974
The Use of a Quilting Stitch for the Repair of Indirect Inguinal Hernia	*René Archambault* *H. A. Archambault* *N. J. Mizeres*	976
A Simple Tray for Emergency Hand Surgery	*Kent L. Brown*	980
New Uses for an Old Instrument	*Col. S. W. French, III*	983
A Rapid Method of Skin Grafting Using the Brown-Berger Dermatome	*Calvin Reed Brown*	986

Cholecystectomy Technic	*Sidney Vernon*	988
Thrombosis of the Terminal Aorta and Horseshoe Kidney	*David S. Hubbell*	990
Carcinolytic Effect of Local Triethylenethiophosphoramide (Thio-TEPA) on Malignant Melanoma	*Herbert Conway* *B. Herold Griffith*	994
Cecal Carcinoma Masked by Acute Appendicitis	*Wolfgang H. Markgraf*	998
Diverticulitis of the Cecum Simulating Appendicitis	*Lawrence Singmaster*	1002
Strangulated Partial Enterocele Involving Cecum in a Femoral Hernia	*William A. Dwyer, Jr.* *George M. Saypol*	1004
Leiomyosarcoma of the Ascending Colon Associated with Multiple Polyposis	*Donald F. Guisto* *Morton J. Thosbinsky* *Louis G. Brizzolara*	1007
Basal Cell Carcinoma of the Perianal Region	*Irving Rosenberg* *Sol Rosen*	1011
Cholecystitis in a Four Year Old Child	*Frank E. Barnes, Jr.*	1013
Sacrococcygeal Teratoma	*Gilman Deering Kirk*	1015
Author Index to Volume 95		1018
Subject Index to Volume 95		1020

COPYRIGHT, 1958
BY THE AMERICAN JOURNAL OF SURGERY, INC.
All Rights Reserved

Printed in the United States of America